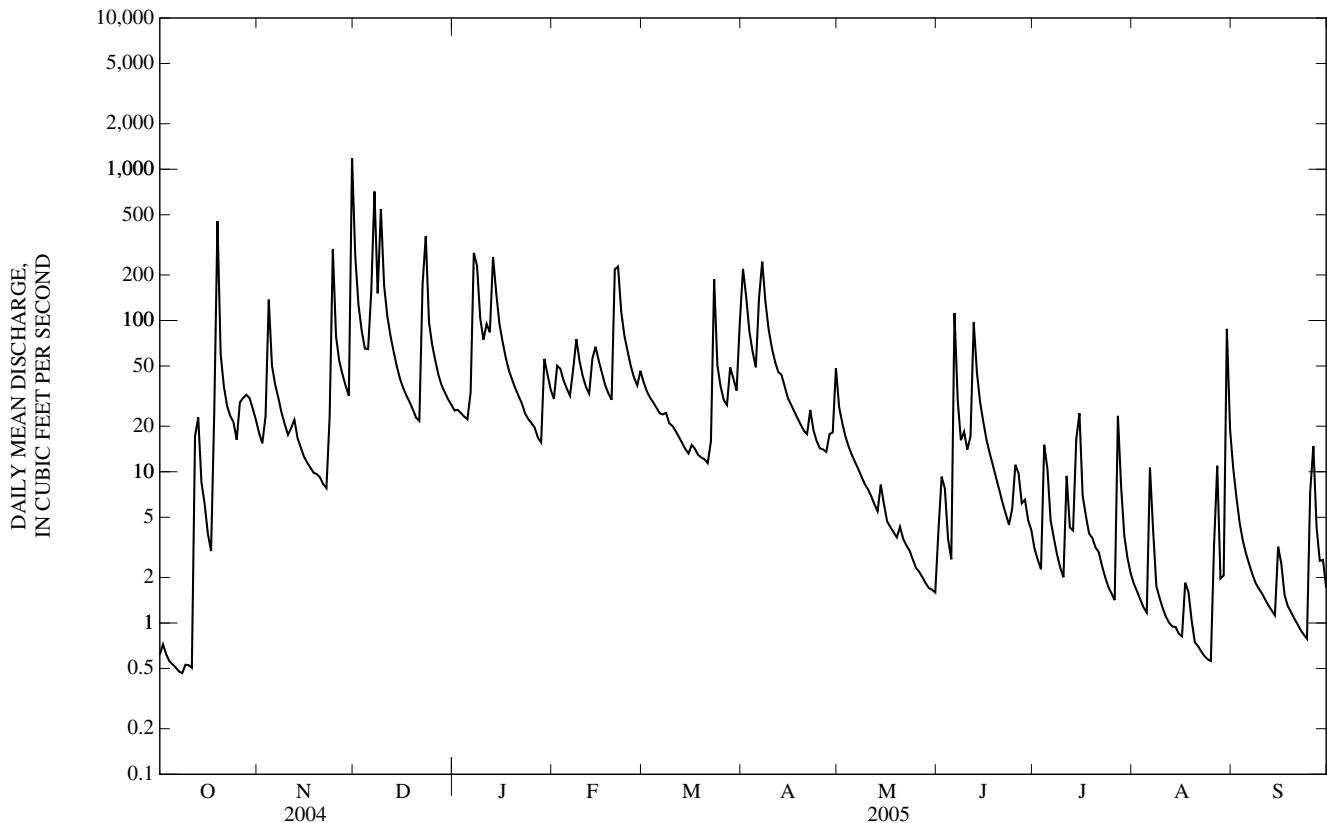


03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN—Continued

| SUMMARY STATISTICS | FOR 2004 CALENDAR YEAR | FOR 2005 WATER YEAR | WATER YEARS 1987 - 2005 |
|--------------------------|------------------------|---------------------|-------------------------|
| ANNUAL TOTAL | 15,826.26 | 14,736.30 | |
| ANNUAL MEAN | 43.2 | 40.4 | 33.8 |
| HIGHEST ANNUAL MEAN | | | 50.1 |
| LOWEST ANNUAL MEAN | | | 17.4 |
| HIGHEST DAILY MEAN | 1,410 | Feb 5 | 1,430 |
| LOWEST DAILY MEAN | 0.47 | Oct 8 | 0.12 |
| ANNUAL SEVEN-DAY MINIMUM | 0.51 | Oct 5 | 0.15 |
| MAXIMUM PEAK FLOW | | 2,460 | 3,300 |
| MAXIMUM PEAK STAGE | | 12.89 | 15.90 |
| INSTANTANEOUS LOW FLOW | | 0.43 | a0.11 |
| ANNUAL RUNOFF (CFSM) | 2.15 | 2.01 | 1.68 |
| ANNUAL RUNOFF (INCHES) | 29.29 | 27.27 | 22.86 |
| 10 PERCENT EXCEEDS | 78 | 87 | 70 |
| 50 PERCENT EXCEEDS | 18 | 17 | 13 |
| 90 PERCENT EXCEEDS | 1.1 | 1.3 | 0.84 |

a Also occurred Aug. 16, 1987, June 26, 1988.



TENNESSEE RIVER BASIN

03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN—Continued

PERIOD OF RECORD--October 1986 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

| Date | Time | Agency analyzing sample, code (00028) | Instantaneous discharge, cfs (00061) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Disolved oxygen, percent of saturation (00301) | pH, water, unfltrd field, std units (00400) | Specif. conductance, wat unf uS/cm 25 degC (00095) | Temperature, water, deg C (00010) | E coli, m-TEC MF, water, col/ 100 mL (31633) | Fecal coliform, M-FC MF, water, col/ 100 mL (31625) | Arsenic water unfltrd ug/L (01002) | Barium, water, unfltrd recoverable, ug/L (01007) | |
|-----------|------|---|--|--|---|--|--|--|--|--|---|---|--|---|
| DEC 02... | 1130 | 80020 | 126 | 752 | 11.1 | 103 | 7.7 | 358 | 11.5 | 210 | 290 | <2 | 15 | |
| FEB 15... | 1130 | 80020 | 54 | 750 | 12.4 | 112 | 7.7 | 380 | 10.0 | 110 | 80 | <2 | 14 | |
| MAY 11... | 1145 | 80020 | 7.5 | 749 | 10.9 | 122 | 8.2 | 404 | 20.0 | 230 | 280 | E1 | 16 | |
| JUL 13... | 1005 | 80020 | 5.3 | 745 | 7.5 | 87 | 7.8 | 471 | 21.5 | 210 | 260 | <2 | 19 | |
| <hr/> | | | | | | | | | | | | | | |
| Date | | Cadmium water, unfltrd ug/L (01027) | Chromium, water, unfltrd recoverable, ug/L (01034) | Copper, water, unfltrd recoverable, ug/L (01042) | Cyanide water, unfltrd mg/L (00720) | Lead, water, unfltrd recoverable, ug/L (01051) | Mercury water, unfltrd recoverable, ug/L (71900) | Nickel, water, unfltrd recoverable, ug/L (01067) | Selenium, water, unfltrd recoverable, ug/L (01147) | Silver, water, unfltrd recoverable, ug/L (01077) | Zinc, water, unfltrd recoverable, ug/L (01092) | Oil and grease, water, unfltrd freon extract mg/L (00556) | 1,2-Diphenylhydrazine, water, unfltrd ug/L (82626) | 2,4,6-Tri-chlorophenol, water, unfltrd ug/L (34621) |
| DEC 02... | <.04 | E.8 | 1.6 | <.01 | .30 | <.01 | .92 | <.4 | <.16 | E1 | -- | <2 | <1 | |
| FEB 15... | .05 | E.4 | .9 | <.01 | .14 | <.01 | 1.13 | .6 | <.16 | E1 | <7 | -- | -- | |
| MAY 11... | <.04 | E.5 | 1.3 | <.01 | .11 | <.01 | .68 | .5 | <.16 | <2 | <7 | <2 | <1 | |
| JUL 13... | <.04 | <.8 | .8 | <.01 | .06 | <.01 | 1.06 | E.2 | <.16 | E1 | <7 | -- | -- | |
| <hr/> | | | | | | | | | | | | | | |
| Date | | 2,4-Dichlorophenol, water, unfltrd ug/L (34601) | 2,4-Dimethylphenol, water, unfltrd ug/L (34606) | 2,4-Dinitrophenol, water, unfltrd ug/L (34616) | 2,4-Dinitrotoluene water unfltrd ug/L (34611) | 2,6-Dinitrotoluene water unfltrd ug/L (34626) | 2-Chloronaphthalene, water, unfltrd ug/L (34581) | 2-chlorophenol, water, unfltrd ug/L (34586) | 2-Methyl-4,6-dinitrophenol, wat unf ug/L (34657) | 2-nitrophenol, water unfltrd ug/L (34591) | 3,3'-Dichlorobenzidine, water, unfltrd ug/L (34631) | 4-Bromophenyl phenyl ether, wat unf ug/L (34636) | 4-Chloro-3-methylphenol, wat unf ug/L (34452) | 4-Chlorophenyl phenyl ether, wat unf ug/L (34641) |
| DEC 02... | <2 | <2.0 | <3 | <1 | <2 | <1 | <1 | <2 | <1 | <.9 | <2 | <2 | <1 | |
| FEB 15... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MAY 11... | <2 | <2.0 | <3 | <1 | <2 | <1 | <1 | <2 | <1 | <.9 | <2 | <2 | <1 | |
| JUL 13... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| <hr/> | | | | | | | | | | | | | | |
| Date | | 4-Nitrophenol, water, unfltrd ug/L (34646) | 9H-Fluorene, water, unfltrd ug/L (34381) | Aceanaphthene, water, unfltrd ug/L (34205) | Aceanaphthylene, water, unfltrd ug/L (34200) | Anthracene, water, unfltrd ug/L (34220) | Benz[a]anthracene, water, unfltrd ug/L (34526) | Benz[a]pyrene, water, unfltrd ug/L (34247) | Benz[b]fluoranthene water unfltrd ug/L (34230) | Benz[g,h,i]perylene, water, unfltrd ug/L (34521) | Benz[k]fluoranthene water unfltrd ug/L (34242) | Benzyl n-butyl phthalate, water, unfltrd ug/L (34292) | Bis(2-chloroethoxy) methane water unfltrd ug/L (34278) | Bis(2-chloroethyl) ether, water, unfltrd ug/L (34273) |
| DEC 02... | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <1 | |
| FEB 15... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| MAY 11... | <2 | <1 | <2 | <2 | <2 | <2 | <1 | <2 | <2 | <1 | <2 | <1 | <1 | |
| JUL 13... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

E--Estimated

03600088 CARTERS CREEK AT BUTLER ROAD AT CARTERS CREEK, TN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

| Date | Bis(2-chloro-isopropyl)ether, wat unf ug/L (34283) | Bis(2-ethylhexyl)phthalate, wat unf ug/L (39100) | Chrysene, water, unfiltrd ug/L (34320) | Di-benzo-[a,h]-anthracene, wat unf ug/L (34556) | Di-ethyl phthalate, water, unfiltrd ug/L (34336) | Di-methyl phthalate, water, unfiltrd ug/L (34341) | Di-n-butyl phthalate, water, unfiltrd ug/L (39110) | Di-n-octyl phthalate, water, unfiltrd ug/L (34596) | Fluoranthene water unfiltrd ug/L (34376) | Hexachlorobenzene water unfiltrd ug/L (39700) | Hexachlorocyclopentadiene, wat unf ug/L (34386) | Indeno-[1,2,-3-cd]pyrene, water, unfiltrd ug/L (34403) | Iso-phorone water unfiltrd ug/L (34408) |
|--|--|--|---|---|--|---|---|--|--|--|---|--|---|
| DEC 02... | <1 | E5 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <1 | <1 | <2 | <2 |
| FEB 15... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY 11... | <1 | <2 | <1 | <2 | <2 | <1 | <2 | <2 | <1 | <1 | <1 | <2 | <2 |
| JUL 13... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| <hr/> | | | | | | | | | | | | | |
| Date | Nitrobenzene water unfiltrd ug/L (34447) | NItroso -di-n-methylamine, wat unf ug/L (34438) | NItroso -di-n-propylamine, wat unf ug/L (34428) | NItroso -di-n-phenylamine, wat unf ug/L (34433) | Penta-chlorophenol, water, unfiltrd ug/L (39032) | Phenanthrene, water, unfiltrd ug/L (34461) | 1,2,4-Tri-chlorobenzene water unfiltrd ug/L (34551) | 1,2-Di-chlorobenzene water unfiltrd ug/L (34536) | 1,3-Di-chlorobenzene water unfiltrd ug/L (34566) | 1,4-Di-chlorobenzene water unfiltrd ug/L (34571) | Hexachlorobutadiene, water, unfiltrd ug/L (39702) | Hexachloroethane, water, unfiltrd ug/L (34396) | Naphthalene, water, unfiltrd ug/L (34696) |
| DEC 02... | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <1 | <1 | <2 | <2 |
| FEB 15... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY 11... | <1 | <2 | <2 | <2 | <2 | <1 | <1 | <2 | <1 | <1 | <1 | <2 | <2 |
| JUL 13... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| <hr/> | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | |
| Suspd. sediment, sieve diametr percent <.063mm (70331) | | | | | | | | | | | | | |
| Suspended sediment concentration mg/L (80154) | | | | | | | | | | | | | |
| Suspended sediment discharge, tons/d (80155) | | | | | | | | | | | | | |
| DEC 02... | | 92 | | 10 | | 3.4 | | | | | | | |
| FEB 15... | | 56 | | 40 | | 5.8 | | | | | | | |
| MAY 11... | | 76 | | 5 | | .10 | | | | | | | |
| JUL 13... | | 76 | | 4 | | .06 | | | | | | | |

E--Estimated